

Appl.No.: 09/659,431
Amendment dated February 3, 2004
Response to Office Action mailed November 3, 2003

REMARKS/ARGUMENTS

Claims 1-9 are pending in the application with claims 1-2 rejected.

Reexamination and reconsideration are hereby requested.

Claims 1-2 were rejected as anticipated by either Golden or Brunner.

Applicants reply that independent claim 1 has been amended to make clear that a single receiver antenna receives the multipaths. In contrast, both Golden and Brunner seem to be multiple antenna approaches: see Golden, column 4, lines 49-63 and Brunner page 2387, left column (M antenna elements). Further, the covariance matrices of Brunner, R_{SIN} and R_{IN} , are noted (page 2384, right column) as "space-frequency" covariances by use of the discrete Fourier transform (DFT).

Proposed amendments to add "Prior Art" to Figs.2-5b are indicated in the Appendix in red.

Respectfully submitted,



Carlton H. Hoel

Reg. No. 29,934

Texas Instruments Incorporated
PO Box 655474, M/S 3999
Dallas, Texas 75265
972.917.4365

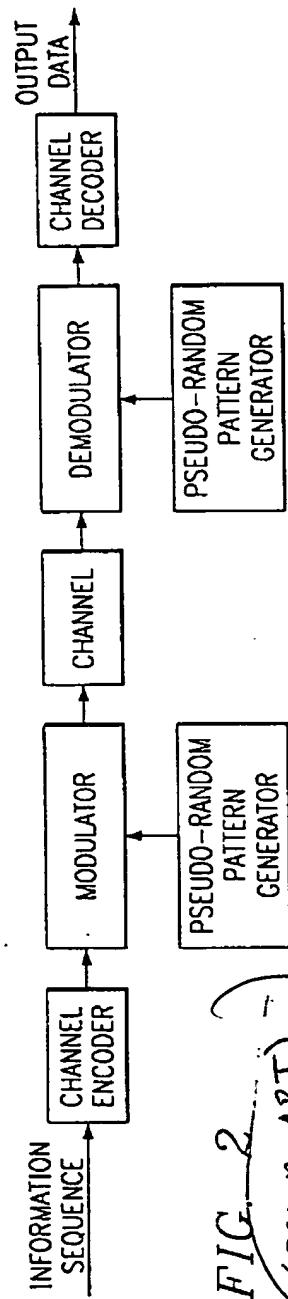


FIG. 2
(PRIOR ART)

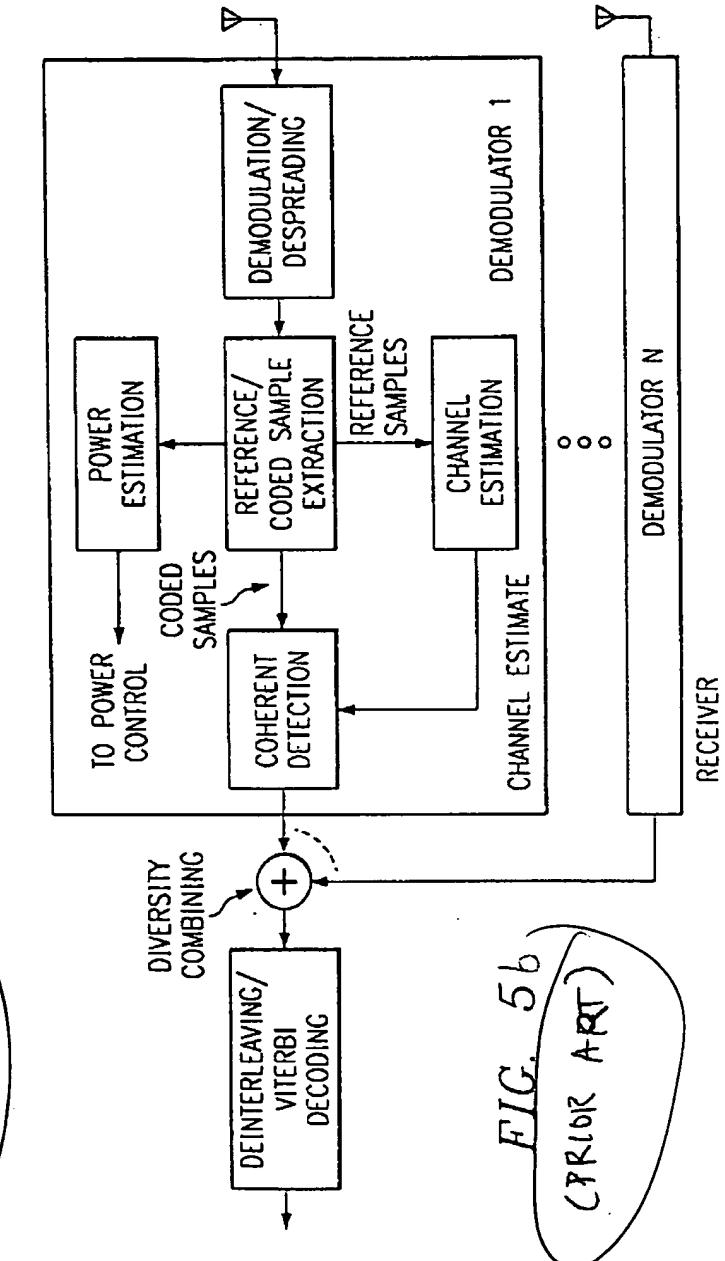


FIG. 5b
(PRIOR ART)

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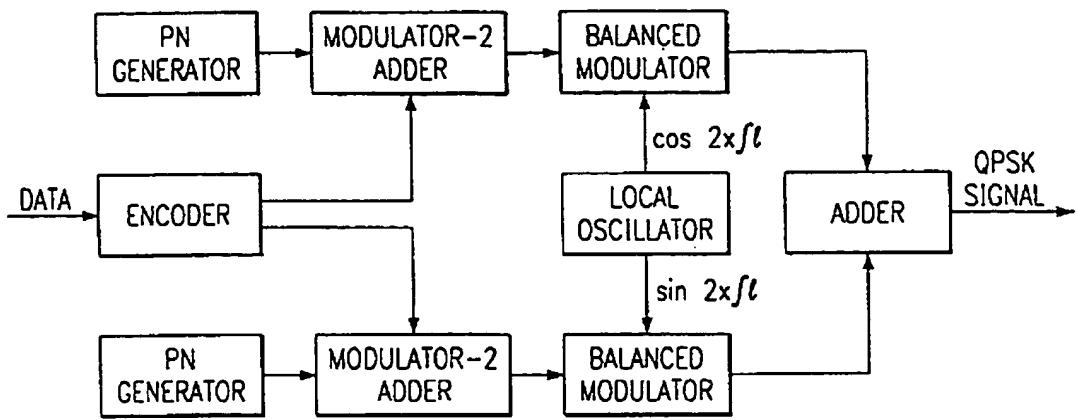
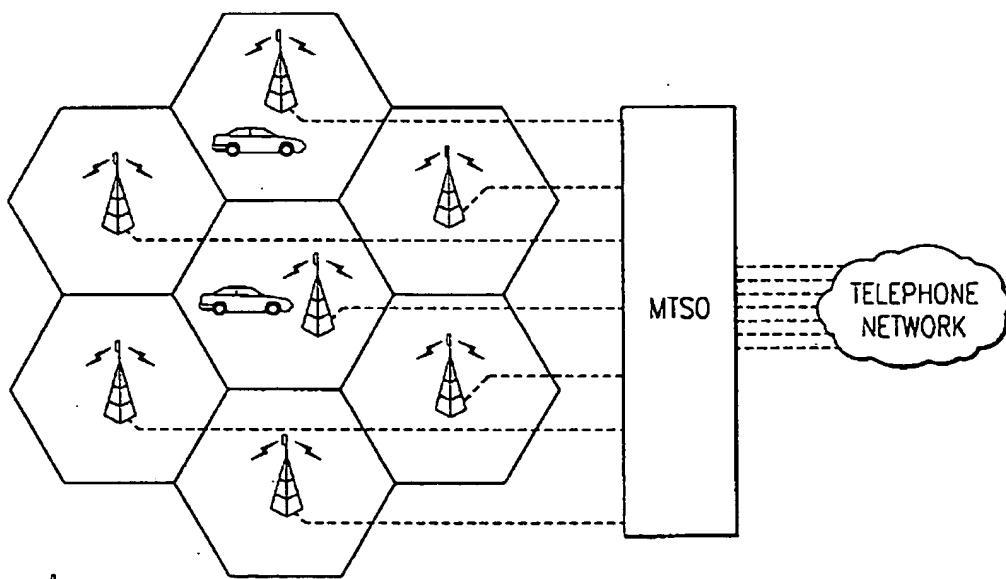


FIG. 3

(PRIOR ART)



= BASE TRANSCEIVER STATION (BTS)

MTSO = MOBILE TELEPHONE SWITCHING OFFICE

= MOBILE UNIT (MOBILE STATION)

----- = DEDICATED LINES

FIG. 4

(PRIOR ART)

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